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DII COE Systems Engineering Working Group (SEWG)

Charter, Status, and Issues

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**PEO Interchange 3
8 November 2000**



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DII COE SEWG Brief Overview

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- SEWG charter
- SEWG organizational relationships
- “Big 5” Notional 4.x migration plans
- SEWG process
- SEWG topics
- Summary/Recommendations
- *But first, a quick COE 4.x status update:*
 - *4.3 delivered Oct 00, under Navy/DISA evaluation*
 - *4.4 under development...focus on bug fixes etc*
 - *4.5/4.6 focus includes USMC/Army requirements for C2PC transition*

SEWG Charter

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- Establish and execute a joint collaborative engineering effort to achieve interoperability (Joint Mission Apps)
- Identify System Engineering requirements, above the I&RTS, needed to achieve true portability of segments, “integratability” and segment re-use in operational environment
- Identify opportunities to maximize system commonality
- Achieve interoperability by synching on a common release (i.e., Kernel 4.x and ICSF 2.x)
- Demonstrate interoperability of selected Joint Applications

Secondary Benefits:

m for sharing of lessons learned with respect to 4.x status/development

m for focusing on joint development/migration issues (C2PC, ATC)

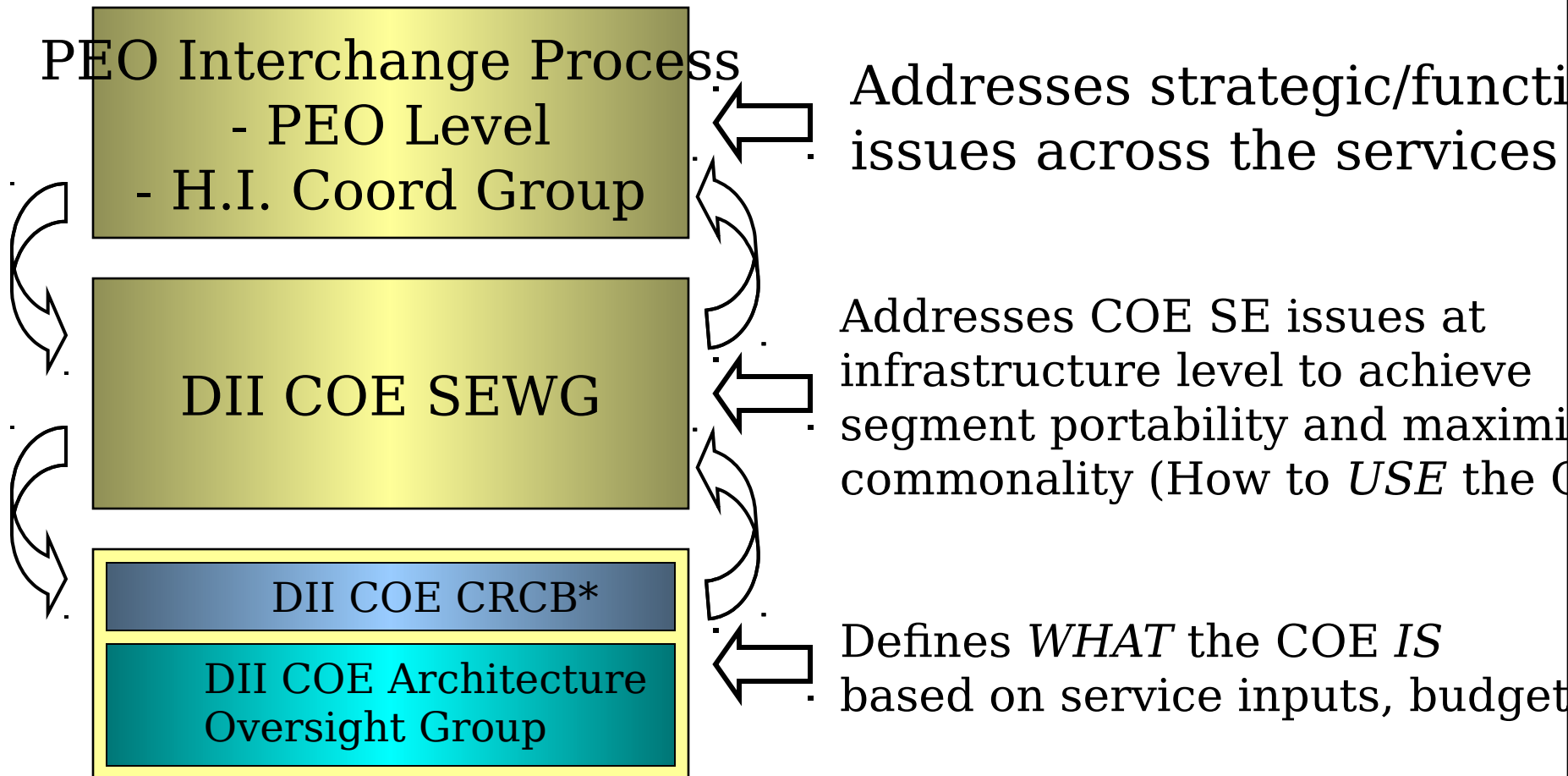
...glass half full

DII COE SEWG

Organizational Relationships

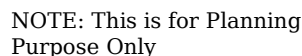
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**Need good comms btwn service CRCB and PEO Interchange Members*

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DII COE Topics/Issues

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- Firewall Policy
- Common Mount Point for /h/data/global
- Security config/policy*
- Directory Services
- Common Data Store (CDS)
- Account Creation/Management
- PKI
- Map Visualization
- Profiles
- Features
- Map Loading and Management
- Symplot (Java)
- Message³ Architecture
- Printing
- Data Access and SHADE
- Garlic Fries
- Message Standards (USMTF)
- Symbology
- Menubar
- Alerts
- Domain Name Service (DNS)
- XML Tags and Registry
- Common Settings
- Installer
- 4.3 Joint Assessment

**Key current topics*

DII COE SEWG Process

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- Establish SEWG: Members are the “Big 5” SE’s with support from AOG members
- Identify and prioritize list of discussion topics
 - Captured key issues and lessons learned in COE 3.x
 - Outlined potential issues with COE 4.x
- Selected volunteer(s) to lead each of the topics, identify system POC’s for each topic (primarily lead SE’s)
- Topic Leader, with assistance from POCs, gather data and formulate solution
 - Conduct survey, perform analysis, and prepare candidate solution(s)
 - Document findings and recommended approach (White Paper)
- Track progress in bi-weekly meetings
- Strive to achieve consensus for a common solution

Key Current Efforts/Results

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- Joint participation in COE 4.3 assessment³ at SSC
 - focus on functionality, use-ability, kernel functions
 - definition of common security developmental requirements
- Resolution of approaches to symbology
 - COE standard symbology is Mil-std-2525A
 - NTDS also supported
 - alternate symbol sets can be incorporated to meet specific requirements
 - approach developed which manages these implementations across system implementations

DII COE SEWG

Summary/Recommendations

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- DII COE SEWG is a valuable forum for synergizing COE-based engineering efforts
- Real 4.x system engineering is just now really getting off the ground
 - stage has been set through identification of key focus areas
 - now is time to execute
- Recommend continued support of DII COE SEWG
 - participation by lead system SE's
 - PM visibility/buy-in into issues/resolution (Coordinate through Horizontal Integration Coordination Group)
- *Issues:*
 - *Consistent Business Model/Process for managing joint apps (i3, ATOX, JTT ...)*
 - *Funding/Process for 4.x portability/interoperability demo*
 - *Commitment to interoperability/integratability requirement*